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Fiberglass Product Data

Product Uses: Fiberglass Reinforced Plastic (FRP). Most commonly used for cornices, columns, and medallions. This product is also used in many other specialized decorative shape applications.

Design: Shop drawings are submitted for verification of profiles, dimensions, and surrounding construction of FRP units. Recommended attachment details are indicated on the shop drawings. Attachment methods shown on shop drawings are suggestions only. It is the responsibility of the installer to meet all local building codes, verify job conditions and adjust installation procedures accordingly. Some site cutting and/or grinding of parts may be required to suit job conditions. Field shimming may be required.

Material Characteristics:

Molded Exterior Surface	3/4"
Back-Up Laminate:	8 to 8.5 lbs./sq. ft.
Fire Retardant:	2500 PSI
Fiberglass Reinforcement:	E Type Fiberglass Random Chopped Glass Fibers Glass Content of 25-30%, 15% for field resin systems
Laminate Thickness:	3/16" nominal thickness

Average Mechanical Properties:

Tensile Strength:	12,000 PSI	ASTM D638
Flexural Strength:	20,000 PSI	ASTM D790
Flexural Modulus:	.09x10 ⁶ PSI	ASTM D790
Compressive Strength:	17,000 PSI	ASTM D695
Bearing Strength:	9,000 PSI	ASTM D638
Thermal Expansion:	10x10 ⁻⁶ (0° F)	
Specific Gravity:	1.5	